Dark Red Meranti Seraya Majau

Atibt
Dark Red Meranti/red meranti/light red meranti; 1. NEN-EN 13556: dark red meranti (GB), dark red meranti (F).

Other names
Dark red meranti, dark red meranti.

Botanic name
Shorea spp. parvifolia

Family
Dipterocarpaceae.

Growth area
Malaysia Péninsulaire

Tree Description	Height 30-40m, maximum 70m. The 25-30m long, smooth well-cylindrical trunk has a diameter of 0.5-0.9m, maximum 3m. at the base of the trunk, rootlets are usually present which, depending on the species, are short and wide to tall and narrow. Very heavy trunks are often hollow or have a rotten or spongy center.
Supply	Sawn (edged) wood and sheet metal, semi-finished and finished products.
Wood Description	The many Shorea tree species that provide red meranti have their own and specific growing areas. This causes great variation in appearance (especially color) and properties (especially weight and durability) of the wood. The heartwood is reddish-brown to pinkish-brown, with much color variation.
Wood Recognition	The heartwood is reddish brown to pinkish brown, with much color variation - not only according to species, but also within the same species. Fresh wood colors between pinkish red and purplish brown. On drying, the wood darkens. The sapwood is usually grayish pink, clearly distinguished from the heartwood and is 2 to 6 cm wide (4 to 5 cm in mature trees). Gums can cause dark streaks on the longitudinal surface when the wood is wet. These disappear with drying. The wood also often contains light-colored and solid resin. This gives fine whitish lines at irregular intervals on the end face ('resin corridors'). The texture of (Dark) Red Meranti is usually regular, with no pronounced markings. On quarter sawn, the wood sometimes shows streaks, on dosse sometimes flames.
Grain	Straight, cross-hatching occurs.
Texture	Moderately coarse.
Voluminous mass	(500-)550(-600) kg/m3 at 12% moisture content.

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Shrinkage	Radially 0.6-0.9% and tangentially 1.2-1.8%.
Drying	Easy.
Hardness	Longitudinal plane 3705 N.
Machinability	Easily machinable, both by machine and by hand. Re-sawing, cutting, drilling, turning, nailing, screwing and gluing is easy.
Nailing & Screwing	Good.
Adhesives	Good.
Bend	Bad.
Surface finish	Good, works well with both hand tools and machines.
Impregnability	Heartwood 4, sapwood 1.
Details	Very small worm holes (pinholes) caused by wetwood borers may occur. In sawn and dried wood, however, there is no danger of further infestation.
Applications	Interior and exterior joinery frames, windows, doors, paneling, baseboards, stairwells, stair treads, bodywork construction and veneer which is widely used in the manufacture of plywood.
Quality requirements	Meranti is listed in SKH Publication 99-05, which means that window frames can be manufactured with a KOMO® product certificate.
Strength class	Not known.

Sustainability

Relative resistance to mold
Heartwood class 2-4. Sapwood class 5.

Relative resistance to animal organisms
Heartwood: drywood borers D, termites S and marine borers S.

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